

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	Unassigned
Confirmation Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Sokawa & Liu
Group Art Unit	Unassigned <b>1647</b>
Examiner Name	Unassigned <b>J. Seharaseyn</b>
Attorney Docket No.	55600-8013.US01

Sheet **1** of **5**

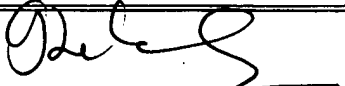
**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			
<b>JS</b>	1	4,683,195		Mullis, et al.	07/28/87	
	2	4,683,202		Mullis	07/28/87	
	3	4,766,068		Oeda, et al.	08/23/88	
	4	4,769,238		Rutter	09/06/88	
	5	5,019,382		Cummins, Jr.	05/28/91	
	6	5,372,808		Blatt & Taylor	12/13/94	
	7	5,438,040		Ekwuribe	08/01/95	
	8	5,738,845		Imakawa	04/14/98	
	9	5,882,640		Cummins	03/16/99	
	10	5,906,816		Soos, et al.	05/25/99	
	11	5,910,304		Cummins	06/08/99	
	12	5,958,402		Bazer, et al.	09/28/99	
	13	6,036,949		Richards & Sherwood	03/14/00	
	14	6,060,450		Soos, et al.	05/09/00	
	15	6,191,105		Ekwuribe, et al.	02/20/01	
	16	6,346,243		Brod	02/12/02	
	17	6,372,206		Soos, et al.	04/16/02	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
<b>JS</b>	18	PCT	WO 90/09806		Bazer & Johnson	09/07/90		
	19	PCT	WO 94/10313		Bazer, et al.	05/11/94		
	20	PCT	WO 00/78266		Pontzer, et al.	12/28/00		
	21	PCT	WO 96/28183		Soos, et al.	09/19/96		
	22	PCT	WO 96/35789		Bazer, et al.	11/14/96		

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

EXAMINER		DATE CONSIDERED	<b>11/10/05</b>
----------	-------------------------------------------------------------------------------------	-----------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).


<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Form PTO-1449 (Modified) (Use several sheets if necessary)				<b>COMPLETE IF KNOWN</b>	
				Application Number	Unassigned
				Confirmation Number	Unassigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Sokawa & Liu
				Group Art Unit	Unassigned <i>1647</i>
				Examiner Name	Unassigned <i>J. Schirasey, m</i>
Sheet	2	of	5	Attorney Docket No.	55600-8013.US01

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
<i>SS</i>	23	Adah, S.A., et al., <i>Current Medicinal Chemistry</i> <b>8</b> :1189-1212, (2001).	
	24	Alexenko, A.P., et al., <i>Journal of Interferon and Cytokine Research</i> <b>17</b> :769-779, (1997).	
	25	Amidon, G.L., et al., <i>Peptide and Protein Drug Delivery, Alfred Benzon Symposium</i> <b>43</b> :146-152, (1998).	
	26	Bayley, D., et al., <i>J Pharm Pharmacol</i> <b>47</b> :721-724, (1995).	
	27	Bernkop-Schnürch, A. and Gilge, B., <i>Drug Development and Industrial Pharmacy</i> <b>26</b> (2):107-113, (2000).	
	28	Bocci, V., <i>Journal of Biological Regulators and Homeostatic Agents</i> <b>4</b> (2):81-83, (1990).	
	29	Bocci, V., <i>Journal of Interferon and Cytokine Research</i> <b>19</b> :859-861, (1999).	
	30	Bartol, F.F., et al., <i>Biology of Reproduction</i> <b>33</b> :745-759 abstract only (1985).	
	31	Bazer, F.W. and Johnson, H.M., <i>AJRI</i> <b>26</b> :19-22 (1991).	
	32	Brod, S.A., et al., <i>Neurology</i> <b>44</b> :1144-1148, (1994).	
	33	Brod, S.A., et al., <i>Journal of Interferon and Cytokine Research</i> <b>15</b> :115-122, (1995).	
	34	Brod, S.A., <i>Arch Neurol</i> <b>54</b> :1300-1302, (1997).	
	35	Brod, S.A., et al., <i>Diabetologia</i> <b>41</b> :1227-1232, (1998).	
	36	Brod, S.A., <i>Journal of Interferon and Cytokine Research</i> <b>19</b> :841-852, (1999).	
	37	Castelli, J., et al., <i>Biomed &amp; Pharmacother</i> <b>52</b> :386-390, (1998).	
	38	Choo, Q.-L., et al., <i>Science</i> <b>244</b> :359-362 (1989).	
	39	Choo, Q.-L., et al., <i>Proc. Natl. Acad. Sci. USA</i> , <b>88</b> :2451-2455 (1991).	
	40	Clayette, P., et al., <i>Pathologie Biologique</i> , <b>47</b> (4):553-559 (1999).	
<i>↙</i>	41	Cotler, S.J., et al., <i>Journal of Viral Hepatitis</i> <b>7</b> :211-217 (2000).	

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>11/10/05</i>
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Form PTO-1449 (Modified) (Use several sheets if necessary)				<b>COMPLETE IF KNOWN</b>	
				Application Number	Unassigned
				Confirmation Number	Unassigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Sokawa & Liu
				Group Art Unit	Unassigned <b>1647</b>
				Examiner Name	Unassigned <b>Sehansayan</b>
Sheet	3	of	5	Attorney Docket No.	55600-8013.US01

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
DS	42	Cross, J.C., et al., <i>Proc. Natl. Acad. Sci. USA</i> <b>88</b> :3817-3821 (1991).	
	43	Dianzani, F., <i>Journal of Interferon Research</i> pps. 109-118, (1992).	
	44	Dieperink, E., et al., <i>Am. J. Psychiatry</i> <b>157</b> :867-876 (2000).	
	45	Ecker, D.J., et al., <i>Journal of Biological Chemistry</i> <b>264</b> (13):7715-7719 (1989).	
	46	Eiamtrakarn, S., et al., <i>Biomaterials</i> <b>23</b> :145-152, (2002).	
	47	Gnatek, G.G., et al., <i>Biology of Reproduction</i> <b>41</b> :655-663 (1989).	
	48	Helmer, S.D., et al., <i>J. Reprod. Fert.</i> , <b>79</b> :83-91 (1987).	
	49	Imakawa, K., et al., <i>Nature</i> , <b>330</b> :377-379 (1987).	
	50	Imakawa, K., et al., <i>Molecular Endocrinology</i> , <b>3</b> :127-139 (1989).	
	51	Jacobs, B.L., et al., <i>Virology</i> <b>219</b> :339-349, (1996).	
	52	Jarpe, M.A., et al., <i>Protein Engineering</i> <b>7</b> (7):863-867 (1994).	
	53	Jiménez-Sáenz, M., et al., <i>Journal of Gastroenterology and Hepatology</i> <b>15</b> :567-569 (2000).	
	54	Johnson, H.M.47, et al., <i>Scientific American</i> <b>270</b> (5):40-47, (1994).	
	55	Le Page, C., et al., <i>Rev Immunogenetics</i> <b>2</b> :374-386, (2000).	
	56	Milstein, S.J., et al., <i>Journal of Controlled Release</i> <b>53</b> :259-267, (1998).	
	57	Lawson, C.M. and Beilharz, M.W., <i>Journal of Interferon and Cytokine Research</i> <b>19</b> :863-867, (1999).	
	58	Magrin, S., et al., <i>Hepatology</i> <b>19</b> :273-279 (1994).	
59	Nakajima, A. and Sokawa, Y., <i>Journal of Interferon and Cytokine Research</i> <b>22</b> :397-402, (2002).		
60	Ott, T.L., et al., <i>Journal of Interferon Research</i> <b>11</b> :357-364 (1991).		

EXAMINER	DATE CONSIDERED
	<b>11/16/03</b>
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Form PTO-1449 (Modified) (Use several sheets if necessary)				<b>COMPLETE IF KNOWN</b>	
				Application Number	Unassigned
				Confirmation Number	Unassigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Sokawa & Liu
				Group Art Unit	Unassigned <i>1647</i>
				Examiner Name	Unassigned <i>J. Schonberger</i>
Sheet	4	of	5	Attorney Docket No.	55600-8013.US01

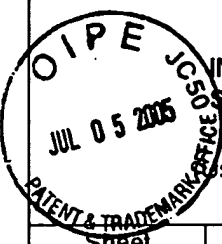
OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T	
<i>JS</i>	61	Pawlotsky, J.-M., et al., <i>Journal of Interferon and Cytokine Research</i> <u>15</u> :857-862 (1995).		
	62	Pontzer, C.H., et al., <i>Biochem Biophys Res Communications</i> <u>152</u> (2):801-807, (1988).		
	63	Pontzer, C.H., et al., <i>Pro Natl Acad Sci USA</i> <u>87</u> :5945-5949, (1990).		
	64	Reddy, S.M., et al., <i>Drugs of Today</i> <u>35</u> (7):537-580, (1999).		
	65	Roberts, R.M., et al., <i>Endocrine Review</i> <u>13</u> (3):432-452 (1992).		
	66	Roberts, R.M., et al., <i>J Interferon Cytokine Res</i> <u>18</u> :805, (1998).		
	67	Saez-Royuela, F., et al., <i>Hepatology</i> <u>10</u> (4):646 (1989).		
	68	Saito, H., et al., <i>Journal of Viral Hepatitis</i> <u>7</u> :64-74 (2000).		
	69	Samuel, C.E., <i>Hokkaido J Med Sci</i> <u>69</u> (6):1339-1347, (1994).		
	70	Samuel, C.E., <i>Clinical Microbiology Reviews</i> <u>14</u> (4):778-809, (2001).		
	71	Satoh, Y.I., et al., <i>J Interferon Cytokine Res</i> <u>19</u> :887-894, (1999).		
	72	Schröder, H.C., et al., <i>Int J Biochem</i> <u>24</u> (1):55-63, (1992).		
	73	Shindo, M., et al., <i>Hepatology</i> <u>9</u> (5):715-719, (1989).		
	74	Short, Jr., E.C., et al., <i>Biology of Reproduction</i> <u>44</u> :261-268, (1991).		
	75	Singh, B.N., <i>Clin Pharmacokinet</i> <u>37</u> (3):213-255, (1999).		
	76	Sood, A. and Panchagnula, R., <i>Chem Rev</i> <u>101</u> :3275-3303, (2001).		
	77	Soos, J.M., et al., <i>Journal of Neuroimmunology</i> <u>75</u> :43-50, (1997).		
	78	Stoll, B.R., et al., <i>Journal of Controlled Release</i> <u>64</u> :217-228, (2000).		
	79	Takayama, S., et al., <i>J Interferon Cytokine Res</i> <u>19</u> :895-900, (1999).		
<i>✓</i>	80	Thorbecke, G.J., et al., <i>Arthritis &amp; Rheumatism</i> <u>42</u> (1):110-118, (1999).		

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>11/10/05</i>
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

<p align="center"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p align="center">Form PTO-1449 (Modified)</p> <p align="center">(Use several sheets if necessary)</p>				<b>COMPLETE IF KNOWN</b>	
				Application Number	Unassigned
				Confirmation Number	Unassigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Sokawa & Liu
				Group Art Unit	Unassigned 1647
				Examiner Name	Unassigned J. Schorasey
Sheet	5	of	5	Attorney Docket No.	55600-8013.US01

[illegible]

BY033240.117



**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
 Form PTO-1449 (Modified)  
 Use several sheets if necessary)

**COMPLETE IF KNOWN**

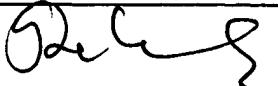
Application Number	10/719,472
Confirmation Number	3649
Filing Date	November 21, 2003
First Named Inventor	Sokawa & Liu
Group Art Unit	1646 1647
Examiner Name	Unassigned J. Sehara Sayon
Attorney Docket No.	55600-8013.US01

Sheet
1
of
1

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
JS		PCT	WO 02/06343	A2	Sokawa, et al.	01/24/02		
JS		PCT	WO 03/061720	A1	Soulie-Ziakovic, et al.	07/31/03		Abstract only

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T

EXAMINER 	DATE CONSIDERED 11/10/05
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	